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PATENT COOPERATION TREATY

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Rec'd PCT/PTO 13 MAY 2005

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

	(FCI Afficie 30	and Rule 70)				
Applicant's or agent's file reference FOR FURTHER ACTION See Form PCT/IPEA/416						
026806PC			Priority date (day/mor	nth higgs		
International application No.	International filing date (d		13 Novemb			
PCT/CN03/00956	13 November 200		13 Noveme	Der 2002		
International Patent Classification (IPC) or			64047/44			
IPC ⁷ : C07K14/47, C12N15/12, A61K38/17, A61P17/14						
Applicant SHANGHAI INSTITUTES FOR	BIOLOGICAL SCIE	NCES, CHINESE A	CADEMY OF SCI	ENCES et al		
This report is the international prelim under Article 35 and transmitted to the	ninary examination report, enter applicant according to A	established by this Interreticle 36.	national Preliminary Ex	amining Authority		
2. This REPORT consists of a total of	3	sheets, including this	cover sheet.			
3. This report is also accompanied by A	NNEXES, comprising:	_				
		a total of	sheets, as follows:			
a. (sent to the applicant and to the International Bureau) a total of sheets, as follows: sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).						
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplementa Box.						
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).						
4. This report contains indications rela	ting to the following items:					
Box No. I Basis of the report						
Box No. II Priority						
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
Box No. IV Lack of unity of invention						
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;						
citations and explanations supporting such statement						
☐ Box No. VI Certain documents cited						
Box No. VII Certain defects in the international application						
Box No. VIII Certain observations on the international application						
Date of submission of the demand Date of completion of this report						
17 May 2004 (17.05.2004) 04 January 2005 (04.01.2005)						
Name and mailing address of the IPEA/CN 6 Xitucheng Rd., Jimen Bridge, Haidian District, Authorized officer CHANG mao						
100088 Beijing, P. R. China						
Facsimile No. 86-10-62019451	Facsimile No. 86-10-62019451 Telephone No. 86-10-62085298					

م). INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/CN03/00956

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item. This report is based on translations from the original language into the following language which is the language of a translation furnished for the purposes of: international search (under Rules 12.3 and 23.1(b)) publication of the international application (under Rule 12.4) international preliminary examination (under Rule 55.2 and/or 55.3) With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): the international application as originally filed/furnished the description: pages	Box l	Vo. I	T	Basi	s of the report			
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* If item 4 applies, some or all of those sheets may be marked "superseded."				_				
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International application No. PCT/CN03/00956

Statement: Novelty (N) Claims 1-10 YES NO	Statement: Novelty (N) Claims 1-10 YES				
Statement: Novelty (N) Claims 1-10 YES	Novelty (N) Claims T-10 YES NO Industrial applicability (IA) Claims Claims Claims T-10 YES NO Claims NO Claims Claims T-10 YES NO Claims NO Claims Claims T-10 YES NO Claims NO Claims NO Claims T-10 Tespent invention art as the baldness-related gene he present invention meet the requirements of PCT Articles (2). There has not been found any hints in the prior art for a skilled person in the art to find and isolate baldness related gene. So claims 1-10 of the present invention meet the requirements of Purticle 33(3). Citility: Ithough it seems there is a very "long way" for a skilled person in the art to use the gene in eatment of baldness, according to the description of the invention, the baldness related gene may sed in the diagnosis of baldness. So claims 1-10 of the present invention meet the requirements				applicability;
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Claims No Country: Chere has not been found a gene of the same sequence in the prior art as the baldness-related gene present invention. Claims 1-10 of the present invention meet the requirements of PCT Art 3(2). Inventive steps: There has not been found any hints in the prior art for a skilled person in the art to find and isone baldness related gene. So claims 1-10 of the present invention meet the requirements of Farticle 33(3). Utility: Although it seems there is a very "long way" for a skilled person in the art to use the gene in reatment of baldness, according to the description of the invention, the baldness related gene ma	Claims No Covelty: There has not been found a gene of the same sequence in the prior art as the baldness-related gene are present invention. Claims 1-10 of the present invention meet the requirements of PCT Articles (2). There has not been found any hints in the prior art for a skilled person in the art to find and isolate baldness related gene. So claims 1-10 of the present invention meet the requirements of Particle 33(3). Calculate the prior art for a skilled person in the art to use the gene in the eatment of baldness, according to the description of the invention, the baldness related gene may seed in the diagnosis of baldness. So claims 1-10 of the present invention meet the requirements		Claims		NO
Claims No Country: Chere has not been found a gene of the same sequence in the prior art as the baldness-related gene present invention. Claims 1-10 of the present invention meet the requirements of PCT Art 3(2). Inventive steps: There has not been found any hints in the prior art for a skilled person in the art to find and isone baldness related gene. So claims 1-10 of the present invention meet the requirements of Farticle 33(3). Utility: Although it seems there is a very "long way" for a skilled person in the art to use the gene in reatment of baldness, according to the description of the invention, the baldness related gene ma	Claims No Covelty: There has not been found a gene of the same sequence in the prior art as the baldness-related gene are present invention. Claims 1-10 of the present invention meet the requirements of PCT Articles (2). There has not been found any hints in the prior art for a skilled person in the art to find and isolate baldness related gene. So claims 1-10 of the present invention meet the requirements of Particle 33(3). Calculate the prior art for a skilled person in the art to use the gene in the eatment of baldness, according to the description of the invention, the baldness related gene may seed in the diagnosis of baldness. So claims 1-10 of the present invention meet the requirements				
2. Citations and explanations (Rule 70.7) Novelty: There has not been found a gene of the same sequence in the prior art as the baldness-related gene he present invention. Claims 1-10 of the present invention meet the requirements of PCT Art 3(2). Inventive steps: There has not been found any hints in the prior art for a skilled person in the art to find and iso the baldness related gene. So claims 1-10 of the present invention meet the requirements of Farticle 33(3). Itility: Although it seems there is a very "long way" for a skilled person in the art to use the gene in reatment of baldness, according to the description of the invention, the baldness related gene ma	Citations and explanations (Rule 70.7) Sovelty: here has not been found a gene of the same sequence in the prior art as the baldness-related gene he present invention. Claims 1-10 of the present invention meet the requirements of PCT Articles (2). Inventive steps: here has not been found any hints in the prior art for a skilled person in the art to find and isolate baldness related gene. So claims 1-10 of the present invention meet the requirements of Particle 33(3). Stility: Ithough it seems there is a very "long way" for a skilled person in the art to use the gene in eatment of baldness, according to the description of the invention, the baldness related gene may seed in the diagnosis of baldness. So claims 1-10 of the present invention meet the requirements	Industrial applicability (IA)	Claims	1-10	YES
Novelty: There has not been found a gene of the same sequence in the prior art as the baldness-related gene present invention. Claims 1-10 of the present invention meet the requirements of PCT Art 3(2). Inventive steps: There has not been found any hints in the prior art for a skilled person in the art to find and iso the baldness related gene. So claims 1-10 of the present invention meet the requirements of Farticle 33(3). Itality: Although it seems there is a very "long way" for a skilled person in the art to use the gene in reatment of baldness, according to the description of the invention, the baldness related gene may be a skilled gene may be	fovelty: here has not been found a gene of the same sequence in the prior art as the baldness-related gene he present invention. Claims 1-10 of the present invention meet the requirements of PCT Arti (3(2)). Inventive steps: here has not been found any hints in the prior art for a skilled person in the art to find and isolate baldness related gene. So claims 1-10 of the present invention meet the requirements of Particle 33(3). Itility: Although it seems there is a very "long way" for a skilled person in the art to use the gene in the eatment of baldness, according to the description of the invention, the baldness related gene may seed in the diagnosis of baldness. So claims 1-10 of the present invention meet the requirements		Claims		NO
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